

March 28, 2005

Mr. Karl E. Singer
Chief Nuclear Officer and
Executive Vice President
Tennessee Valley Authority
6A Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

SUBJECT: BROWNS FERRY NUCLEAR PLANT, UNIT 1 - REQUEST FOR ADDITIONAL
INFORMATION REGARDING TECHNICAL SPECIFICATION CHANGE
REQUEST (TS-427) DELETION OF LOW PRESSURE COOLANT INJECTION
MOTOR-GENERATOR SETS (TAC NO. MC3822)

Dear Mr. Singer:

By letter dated July 8, 2004, Tennessee Valley Authority (TVA) submitted a request for a Technical Specification change (TS-427) to remove the requirement to maintain an automatic transfer capability for the power supply to the low pressure coolant injection inboard injection and recirculation pump discharge valves.

Based on our review of your submittal, the U. S. Nuclear Regulatory Commission staff finds that a response to the enclosed request for additional information is needed before we can complete the review.

This request was discussed with Mr. Tim Abney of your staff on March 22, 2004, and it was agreed that a response would be provided within 30 days of the issuance of this letter.

If you have any questions, please contact me at (301) 415-4041.

Sincerely,

/RA/

Margaret H. Chernoff, Project Manager, Section 2
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-259

Enclosure: Request for Additional Information

cc w/encl: See next page

Request for Additional Information

TS-427, Deletion of Low Pressure Coolant Injection (LPCI) Motor-Generator Sets

1. Table 2 on page E1-16 of Enclosure 1 to the "Technical Specifications (TS) Change Request," provides the number of Emergency Core Cooling Systems (ECCS) (such as High Pressure Coolant Injection, Automatic Depressurization System (ADS), Low Pressure Core Spray (LPCS), and Low Pressure Coolant Injection (LPCI) actually available before the proposed change, and the number of systems available after the proposed change for the Recirculation Suction Line Break Loss of Coolant Accident (LOCA) concurrent with a single-failure. It is not clear how the number of ECCS available (such as 1LPCS, 3LPCI) before the change, and after the change have been determined for each single-failure case. Please discuss how the number of ECCS available have been determined.
2. Table 3 on page E1-17 of Enclosure 1 to the "Technical Specifications (TS) Change Request," provides the number of ECCS (such as ADS, 1LPCS, 1LPCI) actually available before the proposed change, and the number of systems available after the proposed change for the Recirculation Discharge Line Break LOCA concurrent with a single-failure. It is not clear how the number of ECCS available before the change, and after the change have been determined for each single-failure case. Please discuss how the number of ECCS available have been determined.
3. Please confirm that the implementation of the subject TS change will not adversely impact the loading of the emergency diesel generator sets under LOCA and Loss Of Offsite Power operating conditions.

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Mr. Karl W. Singer
Tennessee Valley Authority

BROWNS FERRY NUCLEAR PLANT

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